Index of Claims

| Application | on/Control | No. |
|-------------|------------|-----|
|-------------|------------|-----|

10/695,148

Examiner

Ling-Siu Choi

Applicant(s)/Patent under Reexamination

BOWEN ET AL.

Art Unit

1713

| <b>√</b> | Rejected |
|----------|----------|
|          | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

|          |           | _            |                     |          |          |  | J  |                  | ш               |          |  |          |                 |          |          |           |          |          |          |   |           |                        |            |                    |           |              |
|----------|-----------|--------------|---------------------|----------|----------|--|--|------------------|-----------------|----------|--|----------|-----------------|----------|----------|-----------|----------|----------|----------|---|-----------|------------------------|------------|--------------------|-----------|--------------|
| Cla      | aim       |              |                     |          |          | Date   | e  |                  |                 |          | Cla  | aim      | Γ               |          |          | C         | ate      |          |          |   | 7         | Cla                    | aim        |                    |           | _            |
| Final    | Original  | 1/31/06      |                     |          |          |  |  |                  |                 |          | Final  | Original |                 |          |          |           |          |          |          |   |           | Final                  | Original   |                    |           |              |
| -        | 1         | =            | $\vdash$            | -        | -        | ╁  |  | -                | $\vdash$        | $\dashv$ | -  | 51       | Н               | $\dashv$ | $\dashv$ | ┪         | $\dashv$ | $\dashv$ | $\dashv$ | +   | 1         |                        | 101        | H                  | +         | +            |
| <u> </u> | 2         | Ť            | H                   | $\vdash$ |          | t  |  | $\vdash$         | H               | _        |  | 52       |                 | T        | 一        | $\exists$ |          | $\dashv$ | 1        | 1   | 1         |                        | 102        |                    | 寸         | 十            |
|          | 3         | Ħ            | T                   |          |          | t  | Г  | Т                | П               |          |  | 53       | П               |          | 一        | 一         |          | $\neg$   | ┪        |   | 1         |                        | 103        |                    | $\exists$ | $\top$       |
|          | 4         | П            |                     |          |          |  |  |                  |                 |          |  | 54       |                 |          |          |           |          |          |          |   |           |                        | 104        |                    |           | $\Box$       |
|          | 5         | П            |                     |          |          |  |  |                  |                 |          |  | 55       |                 |          |          |           |          |          |          |   |           |                        | 105        |                    |           | $\perp$      |
|          | <u>_6</u> | 7            | <u> </u>            |          |          | <u> </u>   |  |                  | Ш               |          |  | 56       | Ш               | _        | _        | _         | _        | _        | $\dashv$ | _   | 4         |                        | 106        | _                  | 4         |              |
|          | X         | _            | $oxdapsymbol{oxed}$ | L        | L.       | L.   | ┖  | <u> </u>         | Ш               | _        |  | 57       | Ш               |          | _        |           |          | _        | _        |   | 4         |                        | 107        | $\perp$            | 4         |              |
|          | 8         | 3            | ┡                   | <u> </u> | _        | $ldsymbol{f eta}$                                | <u> </u>   | L                | Ш               |          |  | 58       | Ы               | _        | _        | 4         | _        | 4        | 4        |   | 4         |                        | 108        | $\dashv$           | 4         | +            |
| <u> </u> | 8         | <u> </u>     | <u> </u>            |          |          | <u> </u>   | ⊢  | ļ                | -               |          |  | 59       | Н               | _        | $\dashv$ |           |          | $\dashv$ | -        | _   | 4         |                        | 109        | $\dashv$           | 4         | +            |
| <u> </u> | 10        | =            | ├                   | -        | -        | ├  | $\vdash$   | ⊢                | Н               |          | $\vdash$   | 60       | $\vdash$        |          | -        | $\dashv$  | $\dashv$ | $\dashv$ | +        |   | 4         |                        | 110<br>111 |                    | +         | +            |
| $\vdash$ | 11        | ₩            | $\vdash$            | ├—       | $\vdash$ | ├  | ├  | $\vdash$         | H               | $\dashv$ |  | 61<br>62 | $\vdash \vdash$ | -        | -        |           | -        | +        | $\dashv$ | +   | $\exists$ | $\vdash \vdash \vdash$ | 111        | $\dashv$           | $\dashv$  | +            |
| <u> </u> | 13        | ╫            | $\vdash$            | $\vdash$ | ⊢        | $\vdash$   | -  | $\vdash$         | $\vdash$        | $\dashv$ | <u> </u>   | 63       | H               | $\dashv$ | $\dashv$ | _         | $\dashv$ | $\dashv$ | $\dashv$ | +   | +         | $\vdash$               | 113        |                    | +         | +            |
| $\vdash$ | 14        | +            | $\vdash$            | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$         | $\vdash$        | $\dashv$ | $\vdash$   | 64       | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | +   | 1         | Н                      | 114        | $\vdash$           | +         | +            |
| $\vdash$ | 15        | +            | t                   | t        | H        | t  | <del>                                     </del> | $\vdash$         | Н               | $\dashv$ | $\vdash$   | 65       | $\vdash \vdash$ |          | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | +   | 1         |                        | 115        | $\dashv$           | $\dashv$  | +            |
|          | 16        | ╁            | ╁╴                  | <u> </u> | -        | ╁╌   | ╁  | $\vdash$         | H               | _        |  | 66       |                 |          | T        | 一         | $\neg$   | $\dashv$ | 寸        | +   | 1         |                        | 116        | $\dashv$           | 7         | $\top$       |
|          | 17        | Ħ            | T                   |          | 1        | t  |  |                  | Н               | 7        |  | 67       | П               | $\neg$   |          | ╗         | $\neg$   | 寸        | _        | 7   | 1         |                        | 117        |                    | 7         | $\top$       |
|          | 18        | П            |                     |          | İ        | T  |  |                  | П               | 7        |  | 68       | П               |          | $\neg$   | $\neg$    |          | $\neg$   |          |   |           |                        | 118        |                    | $\dashv$  | $\top$       |
|          | 19        | П            |                     |          |          |  |  |                  | П               |          |  | 69       |                 |          |          | Ī         |          |          |          |   |           |                        | 119        |                    |           | $\Box$       |
|          | 20        | =            |                     |          |          |  |  |                  |                 |          |  | 70       |                 |          |          |           |          |          |          |   |           |                        | 120        |                    |           |              |
|          | 21        |              |                     |          |          |  | L  |                  |                 |          |  | 71       | Ш               |          |          |           |          | $\perp$  |          |   | _         |                        | 121        |                    |           | $\perp$      |
|          | 22        | L            | <u> </u>            | <u> </u> | L        | <u> </u>   | L_   |                  | Ш               |          |  | 72       |                 | _        | _        | _         | _        | $\dashv$ | _        |   | 4         |                        | 122        |                    | 4         |              |
|          | 23        |              | <u> </u>            | _        |          | <u> </u>   |  | <u> </u>         | Ш               | _        |  | 73       | Ш               | _        | _        | _         | $\dashv$ | $\dashv$ | _        | _   | -         | Ш                      | 123        | $\perp$            | 4         | _            |
| <u></u>  | 24        | L.           | <u> </u>            | _        | _        | ļ  |  | _                | Ш               | _        |  | 74       |                 | _        | _        | _         | _        | 4        | _        | $\bot$  | 4         | - 1                    | 124        |                    | 4         | +            |
|          | 25        | _            | <u> </u>            | _        | <u> </u> | <u> </u>   | _  | <u> </u>         | $\vdash$        | _        |  | 75       | $\sqcup$        | _        | _        |           | $\dashv$ | -+       | -        | +   | 4         |                        | 125        | $\vdash$           | 4         |              |
| -        | 26<br>27  | <del> </del> | ├—                  | ├        | <u> </u> | -  | ┢  | <u> </u>         | $\vdash$        | 4        |  | 76<br>77 |                 |          | -        |           | $\dashv$ | -+       | $\dashv$ | +   | 4.        | $\vdash \vdash \vdash$ | 126        | -                  | $\dashv$  | +            |
| -        | 28        | -            | <del> </del>        | _        | -        | <del>                                     </del> |  | _                | Н               | _        | <u> </u>   | 78       |                 |          | -        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | +   | -         | $\vdash$               | 127<br>128 |                    | +         | +            |
| <u> </u> | 29        | 1            | ├                   | $\vdash$ | -        | <u> </u>   | -  | $\vdash$         | Н               | -        | -  | 79       | $\vdash$        | -        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | +        | +   |           | $\vdash$               | 129        |                    | $\dashv$  | +            |
|          | 30        | -            | <del>  -</del>      | -        | ┢        | <del>                                     </del> | ┢  | $\vdash$         | Н               | _        |  | 80       | $\vdash$        | -        | $\dashv$ | ᅱ         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | -         | $\vdash$               | 130        | $\dashv$           | +         | $\dashv$     |
| -        | 31        |              | <u> </u>            |          | -        | <del>                                     </del> |  | $\vdash$         | H               | $\dashv$ | _  | 81       |                 |          | $\dashv$ | $\dashv$  | -        | $\dashv$ | $\dashv$ | +   | $\dashv$  | H                      | 131        | $\dashv$           | $\dashv$  | +            |
|          | 32        | $\vdash$     | H                   | ╁╴       |          | ╁  | 一  |                  | $\vdash$        |          |  | 82       |                 | _        | $\dashv$ | _         | $\dashv$ | 十        | $\dashv$ | +   | 1         |                        | 132        | $\neg +$           | $\forall$ | $\top$       |
| <b></b>  | 33        |              |                     |          |          |  |  |                  | $\Box$          | 7        |  | 83       | П               |          | 寸        | _         |          | $\dashv$ | $\top$   | $\top$  | 7         | $\vdash$               | 133        |                    | 7         | 十            |
|          | 34        | Г            |                     |          |          | Ĺ  |  |                  |                 |          |  | 84       |                 | _ 1      | _1       |           |          |          | _†       |   | 1         |                        | 134        |                    | 1         | ⇉            |
|          | 35        |              |                     |          |          |  |  |                  |                 |          |  | 85       |                 |          |          |           |          |          |          |   |           |                        | 135        |                    |           |              |
|          | 36        |              | 匚                   |          |          |  |  |                  |                 |          |  | 86       |                 |          |          |           | $\Box$   |          | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |           |                        | 136        |                    | I         | $oxed{\Box}$ |
| <u></u>  | 37        | L            | L                   | <u> </u> | L        |  |  | $ldsymbol{oxed}$ | Ц               | _        | <u> </u>   | 87       | Ш               | $\Box$   | [        | _[        | _[       | _[       | _[       |   | 4         | ]                      | 137        |                    | $\perp$   | $\perp$      |
| L        | 38        | L.           | <u> </u>            | <u> </u> | <u> </u> | _  | <u> </u>   | ┞                | Ш               | _        | <u></u>  | 88       | $\sqcup$        |          |          |           | ļ        | _        | $\perp$  |   | 4         | $oxed{oxed}$           | 138        | $\perp \downarrow$ | 4         | $\bot$       |
|          | 39        | _            | 1                   | _        | <b> </b> | <u> </u>   | <u> </u>   | <u> </u>         | $\sqcup$        | _        | <u> </u>   | 89       | -               |          | _        | _         |          | 4        | 4        | _   | 4         |                        | 139        | $\dashv$           | 4         | $\bot$       |
| <u> </u> | 40        | <del> </del> | $\vdash$            |          | -        | <u> </u>   | <del> </del>                                     | <del> </del>     | $\vdash$        |          | <b> </b>   | 90       | $\sqcup$        |          | _        | 4         | $\dashv$ | $\dashv$ | +        | -   | 4         | $\vdash \vdash \vdash$ | 140        | -                  | 4         | +            |
| -        | 41        | $\vdash$     | $\vdash$            | ┝        | -        |  | ⊢  | $\vdash$         | $\vdash$        | $\dashv$ | -  | 91<br>92 | $\vdash$        | -        | $\dashv$ |           | -        | -        | +        | +   | -         |                        | 141<br>142 | $\dashv$           | $\dashv$  | +            |
| -        | 42        | $\vdash$     | -                   | -        |          | ├  | <del> </del>                                     | -                | $\vdash \vdash$ | $\dashv$ |  | 92       | $\vdash$        | $\dashv$ | $\dashv$ |           | $\dashv$ | +        | $\dashv$ | +   | -         | $\vdash \vdash \vdash$ | 143        | $\dashv$           | $\dashv$  | +            |
|          | 44        | $\vdash$     | -                   | -        | -        | -  | -  |                  | $\dashv$        | $\dashv$ | <b></b>  | 94       | $\vdash$        |          | $\dashv$ | +         | $\dashv$ | $\dashv$ | $\dashv$ |   | $\exists$ |                        | 144        | -+                 | $\dashv$  | +            |
|          | 45        | -            | ╁╌                  | ╁─       |          | $\vdash$   |  | Н                | $\vdash \vdash$ | $\dashv$ | <del>                                     </del> | 95       | $\vdash$        | $\dashv$ | -+       | -         | $\dashv$ | +        | +        | +   | ┨         |                        | 145        | $\dashv$           | +         | +            |
|          | 46        | -            | ✝                   | ┢        | ┢        | Н  |  | Н                | $\dashv$        | $\dashv$ | -  | 96       | $\vdash$        | +        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | +        | +   | ┨         | $\vdash$               | 146        | $\dashv$           | +         | 十            |
|          | 47        | Ι-           | T                   | 1        | $\vdash$ |  |  |                  | $\vdash$ †      | $\dashv$ |  | 97       |                 |          | $\dashv$ | $\dashv$  | $\dashv$ | _        | 十        | 十   | 1         |                        | 147        | $\dashv$           | ┪         | +            |
|          | 48        |              |                     |          | T        |  |  | П                | $\Box$          | $\neg$   |  | 98       | $\Box$          | $\dashv$ | $\dashv$ | 7         | $\dashv$ | 十        | $\top$   | $\top$  | 1         |                        | 148        | $\dashv$           | ┪         | $\top$       |
|          | 49        |              |                     |          |          |  |  |                  |                 |          |  | 99       |                 |          |          |           |          |          |          |   | ]         |                        | 149        |                    |           |              |
|          | 50        |              |                     |          |          |  |  |                  |                 |          |  | 100      |                 |          |          |           |          |          | ↿        | $oldsymbol{ol}}}}}}}}}}}}}}}$ | ]         |                        | 150        |                    |           | $\perp$      |
|          |           |              |                     |          |          |  |  |                  |                 |          |  |          |                 |          |          |           |          |          |          |   | '         |                        |            |                    |           |              |

| Cla   | aim   |          |          |          | E                                   | Date     | Э        |          |              |          |
|-------|---|----------|----------|----------|-------------------------------------|----------|----------|----------|--------------|----------|
| Final | Original  |          |          |          |                                     |          |          |          |              |          |
|       | 101   |          |          | -        |                                     | $\vdash$ | $\vdash$ | _        |              | Н        |
|       | 102   |          |          |          | $\vdash$                            | _        | $\vdash$ | $\vdash$ | $\vdash$     | Н        |
|       | 102<br>103<br>104   | _        | -        | $\vdash$ | Н                                   | Н        | $\vdash$ | -        | $\vdash$     | Н        |
|       | 104   |          |          |          |                                     |          |          |          | _            | Н        |
|       | 105   |          |          |          | _                                   | Т        | Т        |          |              | $\Box$   |
|       | 106   |          |          |          |                                     |          |          |          |              | П        |
|       | 107   |          |          |          |                                     |          |          |          |              |          |
|       | 107<br>108  |          |          |          |                                     |          |          |          |              |          |
|       | 109   |          |          |          |                                     |          |          |          |              |          |
|       | 110   |          |          |          |                                     |          |          |          |              |          |
|       | 111   |          | L        |          |                                     |          | L        |          |              |          |
|       | 112   | L_       | _        |          | _                                   | _        | <u> </u> | <u> </u> |              | Ш        |
|       | 113   |          | L        | _        |                                     | L_       | L_       |          | _            | Ш        |
|       | 113<br>114<br>115   | <u> </u> | _        | ⊢        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L        | <u> </u> | L        | <u> </u>     | Ш        |
|       | 115   | H        | <u> </u> | <b> </b> | <u> </u>                            | <u> </u> | <u> </u> | <u> </u> | <u> </u>     | $\sqcup$ |
|       | 116<br>117  | L        | ļ        | <u> </u> | -                                   | <u> </u> | ├        | <u> </u> | <u> </u>     | $\vdash$ |
|       | 117   |          | -        |          | -                                   |          | -        | <u> </u> | <del> </del> |          |
|       | 118<br>119  |          | ⊢        | H        | $\vdash$                            | ⊢        | ├-       | <u> </u> | ├            | Н        |
|       | 120   |          | -        | -        |                                     | _        | ├─       | $\vdash$ | -            | Н        |
|       | 120   |          | $\vdash$ | $\vdash$ | $\vdash$                            |          | ⊢        | $\vdash$ |              | $\vdash$ |
|       | 122   |          | -        |          | -                                   | ⊢        | $\vdash$ | $\vdash$ | $\vdash$     | Н        |
|       | 123   | -        | -        | -        |                                     | $\vdash$ |          | $\vdash$ | Н            |          |
|       | 124   | _        | _        | $\vdash$ | $\vdash$                            | $\vdash$ | $\vdash$ | -        | -            | Н        |
|       | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 | -        |          | H        | Н                                   | H        | -        | $\vdash$ | _            | Н        |
|       | 126   |          | _        | _        |                                     | _        |          |          | -            |          |
|       | 127   | _        |          |          |                                     | П        |          |          |              | П        |
|       | 128   |          |          |          |                                     |          |          |          |              | П        |
|       | 129   |          |          |          |                                     |          |          |          |              |          |
|       | 130   |          |          |          |                                     |          |          |          |              |          |
|       | 130<br>131  |          |          |          |                                     |          |          |          |              |          |
|       | 132   |          |          |          |                                     |          |          |          |              |          |
|       | 122   |          |          |          |                                     |          |          |          |              | Ц        |
|       | 134<br>135<br>136   |          |          | <u> </u> |                                     |          | Ш        | L        |              | Ш        |
|       | 135   |          |          | _        | L                                   | _        | _        |          |              | Ш        |
| _     | 136   |          |          |          | _                                   |          | Щ.       | L        | $oxed{oxed}$ | Щ        |
|       | 137   |          | _        |          | -                                   | <u> </u> | _        | <u> </u> | <u> </u>     | Н        |
|       | 138<br>139  |          |          | -        |                                     | -        |          | _        | _            | Н        |
|       | 140   |          | _        | -        | _                                   | ┝        | -        | -        | -            | Н        |
|       | 4.4.4   | H-       | -        | $\vdash$ | $\vdash$                            | $\vdash$ | H        | ⊢        | H            | Н        |
|       | 141   | $\vdash$ | _        | $\vdash$ | H                                   | Н        | -        | -        | $\vdash$     | Н        |
|       | 143   |          | _        | $\vdash$ |                                     |          | -        | Н        | -            | H        |
|       | 144   | ш        |          | Н        |                                     |          |          | Н        | _            | Н        |
|       | 145   |          |          |          | П                                   | Т        | _        |          | П            | H        |
|       | 146   |          |          |          |                                     |          |          |          | Т            | Н        |
|       | 147   |          |          |          |                                     |          |          |          |              | П        |
|       | 148   |          |          |          |                                     |          |          |          |              | $\Box$   |
|       | 149   |          |          |          |                                     |          |          |          |              |          |
|       | 150   |          |          |          |                                     |          |          |          |              |          |
|       |   |          |          |          |                                     |          |          |          |              |          |